

U. S. ATOMIC ENERGY COMMISSION
OUTGOING TELECOMMUNICATION MESSAGE

THIS DOCUMENT CONSISTS OF 1 PAGES

NO. 1 OF 7 COPIES, SERIES a

DATE OF MESSAGE

August 7, 1953

(See reverse side for instructions)

FROM: S. R. SAPIRIE
MANAGER
OAK RIDGE OPERATIONS
OFFICIAL BUSINESS
S. R. Sapirie (signature of certifying official)DECLASSIFICATION RECOMMENDATION
EAST
PRIORITY

* 19A700015AU *

TO: USAEC, WASHINGTON, D. C. 3-28-96
Date
Name (ADC) - Organization
DECLASS AUTHORIZED
J. A. WATERS, WASHINGTON, D.C.
/INFO COPY/

ATTENTION: R W COOK /ACTION/

Loss of Material (u)

AT 2:30 P M ON AUGUST 7 CMA 1953 CMA DURING THE ROUTINE REDUCTION OF WEAPON LEVEL UF₄ TO U AT Y-12 A HOLE WAS BURNED IN THE REDUCTION BOMB RELEASING THE MOLTEN MATERIAL TO THE BOTTOM OF THE INDUCTION FURNACE PD THE MATERIAL CAUGHT FIRE AND BURNED BRIGHTLY CAUSING FUMES OF URANIUM OXIDE TO BE DISPERSED TO THE ATMOSPHERE PD APPROXIMATELY 2.5 KGS OF WEAPON LEVEL MATERIAL WERE IN THE REDUCTION CHARGE PD NO PERSONNEL WERE INJURED OR SUFFERED HARMFUL EXPOSURE TO THE FUMES PD THIS INCIDENT IS IDENTICAL TO THAT REPORTED IN OUR TT OF JULY 21 CMA 1953 PD A REPORT ON THE JULY 21 CMA 1953 CMA INCIDENT WILL BE COMPLETED BY CARBIDE NEXT WEEK AND ALL THE AVAILABLE DETAILS OF THE PRESENT INCIDENT WILL BE INCLUDED IN THIS REPORT PARA CARBIDE SUSPECTS THAT THE PRESENT SHIPMENT OF MAGNESIUM OXIDE LINERS WHICH APPEAR TO HAVE UNEVEN DIAMETERS MAY BE EXPERIENCING LOCALIZED HEATING DUE TO THE DEFICIENCY OF SAND BETWEEN LINER AND METAL AT THE POINT OF MAXIMUM DIAMETER PD NO REALIABLE ESTIMATE CAN BE MADE AT THIS TIME OF THE NET LOSS OF U-235 PD CARBIDE REPORT WILL BE FORWARDED TO YOU UPON RECEIPT BY THIS OFFICE END REF OPO:St.GTA

Distribution: 1A-TT Rm
2A-F.P.Callaghan
3A-D.F.Musser
4A-S.R.Sapirie
5A-N.H.Woodruff
6A-M&R
7A-Prod.Div. w/dRec'd by T.H. at 2:20 PM
Encoded by T.H. at 2:22 PM
Sent by T.H. at 2:23 PM

ORIGINATOR:	THIS SPACE RESERVED FOR COMMUNICATION CENTER ACTION			RESTRICTED DATA OR ESPIONAGE STATUS, IF REQUIRED	
Arnold/vwb 1566, Room 304 4:15 p.m.	MSG. NO. 505	GR. 208	DTG. 1509	5307215	
	TRANSMISSION MEANS				
	DIRECT TWX	TWX AND MILITARY	DIRECT MILITARY	W. U.	

If provisions of CH-74 Part II Par. 10a are followed, paragraph not required. Handle as SECRET correspondence.

MATERIALS 9 Events

INSERT CLASSIFICATION (IF CLASSIFIED)

ORO 35036

16-65895-1

INSTRUCTIONS

Classification: Security classification grade followed by the designation "SECURITY INFORMATION" when applicable, to be typed in capital letters, at top and bottom of page.

Documentation: In accordance with Bulletin GM-SEC-12 where required.

Date: Type the name of the month in full. Insert a comma between the day and the year.

From: Organizational title and/or name of chief, and geographical location of facility preparing message.

Official Business: Signature of appropriate official.

Precedence: Originator will indicate appropriate precedence designation of Priority, Routine, or Deferred.

Enciphered By: Name of individual enciphering message.

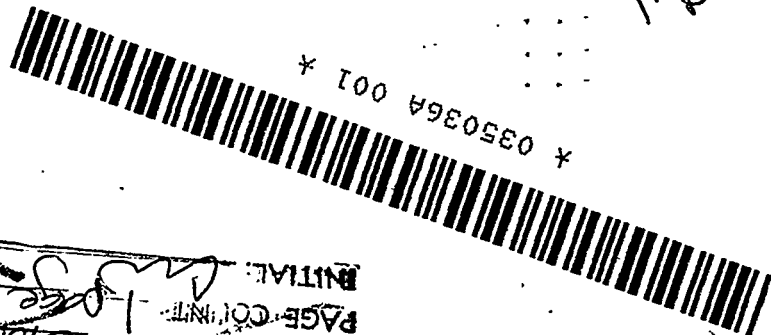
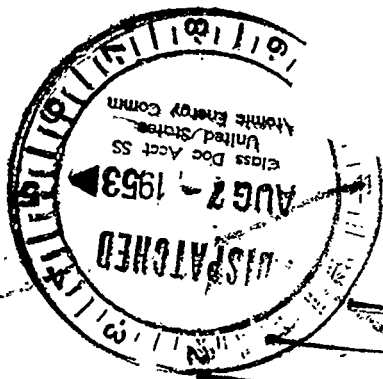
To: Organizational title and geographical location of addressee or addressees. Attention designation should be indicated here whenever applicable. Distribution information, when applicable, should follow the text of message, and appear near the bottom of this space.

Continuation Page: Use Form 321 a for second and succeeding pages. Type name of addressee, page number in Arabic numerals, and date in appropriate spaces.

Originator: Name of originator, initials of typist. Immediately below, type the time (accurate time of completion of typing message) and below this the telephone number and room number, if any, of originator. (See Correspondence Manual, Chapter IV, Paragraph 2i.)

Communication Center Action: For use by Communication Center personnel.

Stamp: Either the Restricted Data or Espionage Stamp, if required, will be imprinted here.



INVENTORY DATE: 3/23/92
PAGE CONT: 1-055
INITIAL: [Signature]

BG